

Abstract

In a system comprising a program of word units, processing of the word unit program for generating output data is completed within a minimum number of execution times by
5 avoiding useless iteration. According to the present invention, a route operation element is regarded as one word, and requirements are defined as a word unit program which defines a relation among words. The route operation element is removed by setting definition equation execution conditions
10 of the route operation element as definition equation execution conditions of words belonging to a basic structure specified by the route operation element when the conditions are established, and structures of the entire system are integrated into one. For an integrated word unit program
15 group (not including the route operation element) of the entire system thus obtained, topological sort is carried out to rearrange word unit program groups in an optimal order. Thus, for example, useless iteration can be prevented.